

# *SWIM Connect 2014 Get Plugged In...*

*World Wide SWIM:  
Mini Global Project*

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Federal Aviation  
Administration

**SWIM**  
*connect2014*  
**GET PLUGGED IN...**



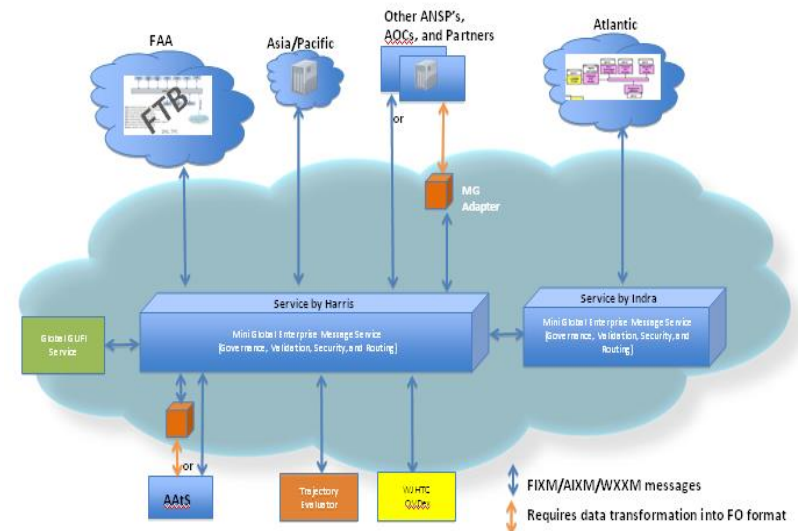
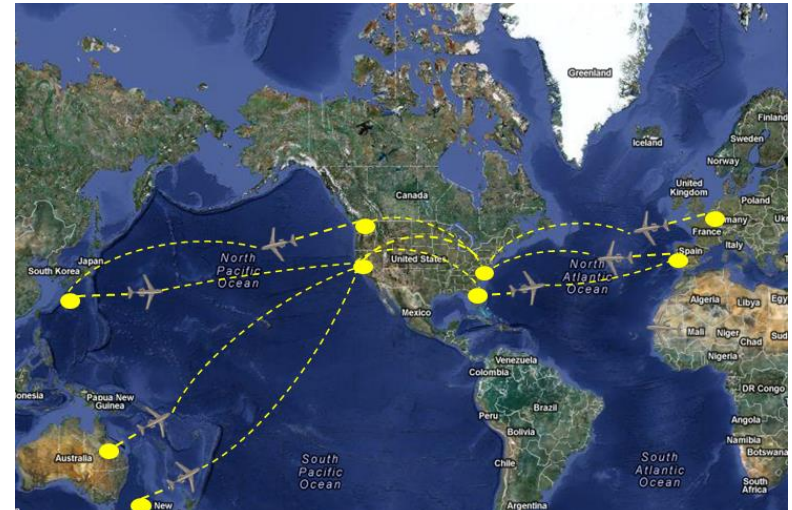
# Mini Global Overview

The FAA is leading the Mini Global Demonstration. This program aligns with the Administrator's vision of the agency providing global leadership in aviation.

Mini Global will demonstrate the applicability of the global exchange models for Flight, Aeronautical and Weather information using the FIXM, AIXM, and WXXM standards.

The demonstration will show how the FAA, International Air Navigation Service Providers (ANSPs) and flight operators are able to share common information within and across all regions to:

- Improve collaborative decision making (CDM)
- Improve air traffic management (ATM)
- Promote international harmonization



# Demonstration Partnerships

The Mini-Global demonstration focuses on developing seamless information sharing across Flight Information Regions (FIRs), and involves collaboration amongst several ANSPs and operators:



# Mini Global Benefits

- Promote International Harmonization
  - Data exchange with other international ANSPs, AOCs, and the aviation industry
- Assess the compatibility of partner ATM systems
  - With respect to global exchange models (FIXM / WXXM / AIXM)
  - Mature the FIXM standard
  - Accelerates potential uses for WXXM & AIXM data exchange
  - Identify services meaningful to current and future operations
- Provide the foundation for new operational capabilities and procedures utilizing international data exchange

# Mini Global I Demonstration

- Established Mini Global Enterprise Messaging Service (EMS) – September 2013
- Conducted Risk Mitigation Demonstration – March 2014
- Conducted Mini Int'l Kickoff – March 2014
- Conducted Technical Interchange Meeting (TIM)
  - Atlantic Partners – March 2014
  - Pacific Partners – April 2014
- Conducted Mini Global Symposium / Asia Pacific Air Navigation Planning and Implementation Regional Working Group (APANPIRG) - September 2014
- Conducted Mini Global I Demonstration - September 2014
- Conducted Mini Global II Kickoff Meeting - September 2014

# Mini Global II Objective

- **Utilize “Green Cloud” infrastructure – Multiple Enterprise Messaging Service (EMS) Connectivity**
  - o Define global policies, protocols, security, business sensitivity
  - o Provide mediation between diverse EMSs
  - o Assess opportunities to collaborate with European Global SWIM
  - o Provide an infrastructure for future applications/services to benefit Global ATM
  - o Assess global interoperability/harmonization options and provide considerations for future adoption
- **Extend International Partnerships**
  - o Collaborate with International Partners & IATA/Airlines for active participation
- **Support the validation of FIXM/AIXM/WXXM standards**
  - o Additional datasets to support complex use cases
  - o Backwards compatibility of global exchange standards
  - o Investigate the use of traffic management information exchange
- **Assess near real time data for “live” demonstration**



# Mini Global II Industry Day Overview

- Serves as a platform to communicate Mini Global goals, objectives, and timeline with industry and potential partners
- To encourage vendors to leverage the Mini Global infrastructure to develop applications to improve aviation
- Increase Mini Global II project awareness.

# Registering for Industry Day

1. Go to the FederalRegister.gov
2. In the top right corner, search “Mini Global”
3. Click the first link labeled “Notice of Industry Meeting”
4. In the table of content section, click “Registration”
5. Click the Eventbrite hyperlink

**Registration** Attendance at the facility is limited and is on a first come first serve basis. However, a webcast will be provided for those that cannot attend in person. To attend the Industry Day (in person or via webcast), participants must register via the following link: <https://www.eventbrite.com/e/mini-global-industry-day-tickets-2298597166>.

6. Once you are on the Eventbrite site, register for either the In Person or Webinar session
7. Submit your personal information and confirm your registration
  - You will receive a confirmation email shortly after your submission



# Mini Global II Timeline (2014 – 2016)

